OU2-ALLUVIUM

WOODWARD-CLYDE FEDERAL SERVICES OU2 DAILY WELL INSTALLATION FORMS CHECK-OFF SHEET

MW/BH # ()		DATE 9-2	4-91
FORM #		COMPL. BY	CHECK BY
FO.8A	Verification of organic vapors	REL	MRM
FO.8B	Record of drilling fluids and cuttings	REL	MRM
FO.16A	Results of radiological measurements	NA	MRM
FO.10A	Drum field log form	REL	MRM
FO.10C	Contaminant characterization form	REL	MRM
FO.14B		AIN ,	MRM
GT.2A	(circle one Hollow stem auger (FAR)	, JEOR	MRM
- •	SUMMARY Reaming / Well installation (circle one rilled:)	
Drill tim	e:		
Down time	:Explanation:		
		· · · · · · · · · · · · · · · · · · ·	
	•		
			

ADMIN RECORD

A-0U02-000188

U.S DEPARTMENT OF ENERGY ROCKY FLATS PLANT 2-A L FORDE FOR Y

VERIFICATION OF ORGANIC VAPOR MONITORING RESULTS

1 Da	e <u>9-24-91</u>	_ Activity Area OUZ (05	391)	
2. Ch	eck Historical Contaminant Classifications			
	Radiological	RCRA Wastes	Mixed Was	stes
3 Pre	work/Background Organic Vapor Monitor	_		, ,
Instrur	nent Used (numeric value) p	(units, 10 ppm) <u>001</u> 332	4 (Notel :	<u>58</u> ØB)
4 Vei	ification Measurements			
	Initial measurement above background	Ala		
	Background check			
	First verification measurement			
	Background check			
	Second verification measurement			,
5	If either of the verification measurements measurement has been verified.	are above the preceding background	measurement the	ınıtıal
Indıvıd	ual completing this form Pobert E U	AHD Robert Erfal	9-24-91	ERCE
	Print Name	Signature	Dastubcontr	actor

RECORD OF DRILLING FLUIDS AND CUTTINGS

Date of Activities 9-24-91	Field Te	eam Leader TP OBNED						
1. Personnel Assigned to task that generated the environmental materials								
Name	Assignment	Employer						
Darrel Connors	Driller	GEC						
Por Hosey	Driller's Helper	<u>CEC</u>						
JP OBLIERO	Geologist	FRCe						
P.E. LAHN	Health and Safety Tech	ERLE						
	Other - Specify							
2. Identification of site task was accomp	olished at:	2/						
Contaminant classes assumed to be present (check as appropriate) low-level RAD substances								
No Yes (check as appropriate)							
low-level RAD substate high-level RAD substate		regulated substances substances						
5 Highest environment monitoring resu	ults.							
Organic vapors:	(value) <u>pp</u> n 580 B	(units)						
Radioisotopes.	(value) <u> </u>	(units)						
·	un luni 12	•						
Completed by tober + CO Print Name Subcontractor ERC	Y .	Signature Date						

Tech Check MRM 11-26-91

0U2-ALLUVIUM

(401) REVAFOAREV.OLDW9/10/91)

HOLLOW STEM AUGER DRILLING FIELD ACTIVITIES REPORT

	4006
PROJECT NUMBER	Q_2U_QI
DATE	OLD Man of Allend Millians
PROJECT NAME	fivilist lawlla texally suo
BOREHOLE IDENTIFICATION	
WEATHER CONDITIONS	CRM & cool
RIG TYPE	Mobil 13-57
DRILLING COMPANY/DRILLER	GROWD EXPLORATION / DATITUDE CONNOR
GEOLOGIST/ENGINEER	J. P. O'SRIEN
CREW MEMBERS	BOB LAHU Bout LeeHosey
WATER LEVEL/TIME	33.6 2819
TOTAL DEPTH	4/8.
DECONTAMINATION	NA
WASTE TYPES, VOLUMES	
AND DRUMS USED	SOIL CUTTINGD (REAM) 0-15', DRUM
	<u>8388</u>
	2 11 11 MRM 11-26-91
DIAMETER OF BORING	474 10 in
TYPE AND SIZE OF AUGERS	
AND BIT	Holow STEM 6/4" (ID) orbide
SAMPLING TYPES, DEPTHS	NOUE
HAMMER SIZE	<u>NA</u>
DEPTH TO BEDROCK	<u>'34 8'</u>
END-OF-DAY STATUS	TRAM COMPLETE TO 48.0' AUGUS IN
CHRONOLOGICAL RECORD	Hate willow'd on
OF ACTIVITIES	@ 6930 pull 3/4 (I.D) SAMPLE AUGUD
	STRING OUT @ 0945 Begin Floaming W/
	6/4 (I.D) @ ~7.0 ~ 1000 Are contor
	Bit in Roamon, PRAM TO 480' By 1515
COMMENTS	GRAVEL ZOLIED BIND OUTSI'RE & AUGISTS-SOW
Boing @ 1525 While	CKANING HOLE PLIA PUNS OUT of FUEL A PROHOM
Because it in Fuel interco	
	()
	Tech Check
(4011 REV)(GT2REV.I)(08/22/91)	MRM 11-26-91

			<u> </u>
DATE 9 20 9 1 LOC \$539 1 W.E. Treaches		TOC	
DRUM FIELD LOG FORM WOODWIGHT JUNE GEBY W.C. LOCYOL CASTROCHES HER NAME DUZ NAME WS391 NAME WS391 NAME WS391 NAME WS391	BH\$\$\$\$ wews	DATE	
DEPARTMENT OF ENERGY ROCKY FLATS PLANT NAME OF THE SUBCONTRACTOR DRUM ID NUMBER WITH SUBCONTRACTOR'S ID LOCATION AND DATE OF ISSUANCE NAME AND LOCATION OF FIELD ACTIVITY . ASSOCIATED WELL, BORING, OR SAMPLING LOCATION	BAG #S (IF PPE) ASSOCIATED SAMPLE ID #S DATE DRUM WAS FILLED	SIGNATURE OF PERSON FILLING THE DRUM IF SOLID ENVIRONMENTAL MATERIALS LOCATION OF TEMPORARY STORAGE AREA DATE DRUM RETURNED TO EG&G. SIGNATURE OF EG&G REPRESENTATIVE. *	

U.S DEPARTMENT OF ENERGY ROCKY FLATS MANT	en Gener	 	-		F	FORM	FO 10C	٠.	,
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CONTAMINANT CHARACTERIZATION FORM FOR GRAY DRUMS PENDING CHARACTERIZATION

THIS PORTION WILL BE COMPLETED BY SUBCONTRACTOR	
Name of the Subcontractor Issued the Drum	Woodward Clybe
The serialized Drum ID number with the	1
Subcontractor's ID	. <u> </u>
The Date the Drum Was Taken to a Field Activity	19-05-91
The Location of the Field Activity Area	ouz (s.te \$5391.
The Contents of the Drum	Soil (Drill Cutt)
(Subsurface Intervals, if Soils)	160 - 280 Ct
(Bag #s, if PPE)	***
The Date the Drum was Filled	. <u>9-20-91</u>
The Associated Well, Boring, or Sample location	<u> </u>
Matrix of Sample Analyzed	Soil
Sample ID #s	BHOOD82WCU2
	•
•••	0 0 0 0
Intervals Sample was Taken From	272-269 ft
• • • • • • • • • • • • • • • • • • • •	•
• • • • • • • • • • • • • • • • • • • •	
Date Submitted to EG&G for Characterization	. // 19-24-91
Subcontractor's Representative Signature	for what
	0.0.
THIS PORTION WILL BE COMPLETED BY EG&G	
The Contaminant Characterization of the Drum's Contents	
Signature of EG&G Representative Determining the	
Contaminant Characterization and Date Signed	*
	Date
EG&G Holding Facility Where Drum Will be Stored	• ••
	···········
Date and Time Form Returned to Waste Operations .	DateTime

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	118 72.					•••	" " " " " " " " " " " " " " " " " " "	-			
	9120/91								_		
	<u></u> a.						<u></u>	U			
	DATE							207	 		
	Treat	(SOM4			The state of the s		,				
2 your	Sopo	Cuelthin	DC42	-	Most	^					-
Wasser Clype	Contraction	05391 (Dan G	B 4900 8200cu	91	3	\$539					
2000	4294 usc. Loc gol Contractors	NAME 0539 Bal (Dr.	вна	9-50-9	Bert	Site		DATE			
•	; ;	:::				^ .' '.'	***		 • •	•	
•	R'S ID	o · .		•	M		S, WERE	•			
	TRACTOI 3E	AMPLIN	÷	•	RE OF PERSON FILLING THE DRUM	AGE ARE	IF ENVIRONMENTAL LIQUIDS, OCATION WHERE CONTENTS WEI	: _] .			
ACTOR	UBCONT ISSUANC FIELD A	AG, OR S			ILLING T	Y STOR	MENTAL	Y PAD#_			
BCONTR	ATE OF	L, BORII UM ERVALS	PLE ID #	FILLED	ERSON F	MPORAR URNED T	INVIRON	CONNEI 1 DECON			
THE SU	NUMBER N AND D	SOCIATED WELL CATION NTENTS OF DRU SSURFACE INTE BAG #S (IF PPE)	TED SAM	UM WAS	RE OF PE	N OF TE UM RET RE OF E	IF E	AND DE			
NAME OF THE SUBCONTRACTOR	DRUM ID NUMBER WITH SUBCONTRACTOR'S ID LOCATION AND DATE OF ISSUANCE	ASSOCIATED WELL, BORING, OR SAMPLING LOCATION CONTENTS OF DRUM SUBSURFACE INTERVALS (IF SOILS) BAG #S (IF PPE)	ASSOCIATED SAMPLE ID #S.	DATE DRUM WAS FILLED	SIGNATURE OF PERSON FILLING THE DRUM	LOCATION OF TEMPORARY STORAGE AREA DATE DRUM RETURNED TO EG&G SIGNATURE OF EG&G REPRESENTATIVE .	DATE AND LOCATION WHERE CONTENTS WERE	EMPTIED AND DECONNED (EXAMPLE 2/18/91 DECON PAD #_			

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U.S	DEPARTMENT OF ENERGY ROCKS	/FL	ATS	PLAN	£	5	ş	E 3	FG	RM	FO	PC	4
				N. AST	r K	Ĺ	P					V	1

CONTAMINANT CHARACTERIZATION FORM FOR GRAY DRUMS PENDING CHARACTERIZATION

THIS PORTION WILL BE COMPLETED BY SUBCONTRACTOR	
Name of the Subcontractor Issued the Drum	WOODWARD CLYDE
The serialized Drum ID number with the	<u> </u>
Subcontractor's ID	42061110
The Date the Drum Was Taken to a Field Activity	9-20-91
The Location of the Field Activity Area	- ouz (site x5391)
The Contents of the Drum	. Sou (Drue cottons
(Subsurface Intervals, if Soils)	A-11-Ct
(Bag #s, if PPE)	
(Dag #5, it F1 E)	
-	
	54
	4
The Date the Drum was Filled	9-2ø-91
The Associated Well, Boring, or Sample location	05391
Matrix of Sample Analyzed	Soil
Sample ID #s	- BHØØØBZWCUZ
•• •• • • • • • • • • • • • • • • • • •	
•	
Intervals Sample was Taken From	269-272ft
· · · · · · · · · · · · · · · · · · ·	•••
	4
Date Submitted to EG&G for Characterization	
Subcontractor's Representative Signature	[MDS
THIS PORTION WILL BE COMPLETED BY EG&G	
The Contaminant Characterization of the Drum's Contents	•
Signature of EG&G Representative Determining the	
Contaminant Characterization and Date Signed	******
	Date
EG&G Holding Facility Where Drum Will be Stored	** **
Date and Time Form Returned to Waste Operations	DateTime

NAME OF THE SUBCONTRACTOR			
DRUM ID NUMBER WITH SUBCONTRACTOR'S ID	Wowward Cline 4299 W.C.		
LOCATION AND DATE OF ISSUANCE NAME AND LOCATION OF FIELD ACTIVITY ASSOCIATED WELL, BORING, OR SAMPLING	LOC 901 Contractors HEA.	DATE 9-20-91 " LOC 0539 1 N. E. Trenson	
LOCATION. CONTENTS OF DRUM SUBSURFACE INTERVALS (IF SOILS) BAG #S (IF PPE)	NAME 45391 . 301, (Dru Cathugs) . 2815-40 Pt		
ASSOCIATED SAMPLE ID #S	BHQQQ86 WILLI		
DATE DRUM WAS FILLED	4-23-9]		
SIGNATURE OF PERSON FILLING THE DRUM	Ber dea Hough		
LOCATION OF TEMPORARY STORAGE AREA DATE DRUM RETURNED TO EG&G SIGNATURE OF EG&G REPRESENTATIVE	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	* * * * * * * * * * * * * * * * * * *	
ATE AND LOCATION WHERE CONTENTS WERE			
EMPTIED AND DECONNED (EXAMPLE 2/18/91 DECON PAD #)	DATE	LOC	
			,
			24
			2

CONTAMINANT CHARACTERIZATION FORM FOR GRAY DRUMS PENDING CHARACTERIZATION

THIS PORTION WILL BE COMPLETED BY SUBCONTRACTOR	
Name of the Subcontractor Issued the Drum	WOODWARD CLYDE
The serialized Drum ID number with the	
Subcontractor's ID	52 6299 WC
The Date the Drum Was Taken to a Field Activity	9-20-91
The Location of the Field Activity Area	ouz (5,te \$599/
The Contents of the Drum	. Soil Come cutti
(Subsurface Intervals, if Soils)	28,0+40, Ft
(Bag #s, if PPE)	
The Date the Drum was Filled	9-23-9/
The Associated Well, Boring, or Sample location	<u>ø539/</u>
Matrix of Sample Analyzed	. <u>'Soil</u>
Sample ID #s	BHØØØ85WCD2
•	- VEL
Intervals Sample was Taken From	36-38
	<u> 347 - 349</u>
	•
• • • • • • • • • • • • • • • • • • • •	
Date Submitted to EG&G for Characterization	7724-91
Subcontractor's Representative Signature	· Christ
THIS PORTION WILL BE COMPLETED BY EG&G	
The Contaminant Characterization of the Drum's Contents	
Signature of EG&G Representative Determining the	
Contaminant Characterization and Date Signed	
	Date
EG&G Holding Facility Where Drum Will be Stored	
Date and Time Form Returned to Waste Operations	DateTime

DEPARTMENT OF ENERGY ROCKY FLATS PLANT	DRUM FIELD LOG FORM	f FORM FO 10A
NAME OF THE SUBCONTRACTOR DRUM ID NUMBER WITH SUBCONTRACTOR'S ID	Weepwarp Clybe	
LOCATION AND DATE OF ISSUANCE NAME AND LOCATION OF FIELD ACTIVITY SECOND FOR MELL BORNEY OF SAME AND LOCATION OF FIELD ACTIVITY NAME AND LOCATION OF FIELD A	NAME OU CONTRACTORS HER	DATE 9-20-91 LOC & 5391 2/. E Tombes
CONTENTS OF DRUM SUBSURFACE INTERVALS (IF SOILS)	Con (C. Hings)	
BAG #S (IF PPE)	diffices H. Keaming	
ASSOCIATED SAMPLE ID #S	BHdapeeuscar	
DATE DRUM WAS LILLED SIGNATURE OF PERSON FILLING THE DRUM	ser de Novert	
IF SOLID ENVIRONMENTAL MATERIALS LOCATION OF TEMPORARY STORAGE AREA	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	٠
DATE DRUM RETURNED TO EG&G SIGNATURE OF EG&G REPRESENTATIVE		
IF ENVIRONMENTAL LIQUIDS		
DATE AND LOCATION WHERE CONTENTS WERE EMPTIED AND DECONNED	DATE	TOC
(EAAMTLE 2/18/91 DECON FAD #)		

CONTAMINANT CHARACTERIZATION FORM FOR GRAY DRUMS PENDING CHARACTERIZATION

THIS PORTION WILL BE COMPLETED BY SUBCONTRACTOR	
Name of the Subcontractor Issued the Drum	Woodward Clys
The serialized Drum ID number with the	
Subcontractor's ID	6308 WC
The Date the Drum Was Taken to a Field Activity	<u>9-20-9/</u>
The Location of the Field Activity Area	our cate 05391)
The Contents of the Drum .	Soil (Drive Cutting)
(Subsurface Intervals, if Soils)	- 40-48 ft &
(Bag #s, if PPE)	0-20C+ Parmus
-	
The Date the Drum was Filled	9-24-9
• • • • • • • • • • • • • • • • • • • •	2500/
The Associated Well, Boring, or Sample location	· - 455.7/
Matrix of Sample Analyzed	BHØØØ85WCU2
Sample ID #s	DAUWOBWCUZ
• • • • • • • • • • • • • • • • • • • •	
•••••••••••••••••••••••••••••••••••••••	•
•	
Internals Control on Solver Press	De' 30 REC
Intervals Sample was Taken From	042 040
• • •	34.7 - 54 7
•• • • • • • • • • • • • • • • • • • • •	
• • • • • • • • • • • • • • • • • • • •	
	4-24-01
Date Submitted to EG&G for Characterization	
Subcontractor's Representative Signature	Get OA
THIS PORTION WILL BE COMPLETED BY EG&G	
The Contaminant Characterization of the Drum's Contents	
Signature of EG&G Representative Determining the	
Contaminant Characterization and Date Signed	
	Date
EG&G Holding Facility Where Drum Will be Stored	
Date and Time Form Returned to Waste Operations	Date Tree
Date and Time Form Returned to Waste Operations	DateTime

	DEPARTMENT OF ENERGY ROCKY FLATS PLANT	DRUM FIELD LOG FORM	FORM FO 10A
	NAME OF THE SUBCONTRACTOR DRUM ID NUMBER WITH SUBCONTRACTOR'S ID	Woodward - Clyde	
Garkening Conversions		LOC 901 Contractor Area DATE 9 NAME 002	DATE 9-20-9 LOC S. L. 0539
A Comment	ASSOCIATED WELL, BORING, OR SAMPLING LOCATION CONTENTS OF DRUM SUBSURFACE INTERVALS (IF SOILS) BAG #S (IF PPE)	Soil (Drill Cuttings) 0-49 ft B(2)	
V	ASSOCIATED SAMPLE ID #S	BHØØØBZWCVZ BHØØØBSWCVZ BHØØØB6WCVZ	
	DATE DRUM WAS FILLED	10-8-91	
The state of the s	SIGNATURE OF PERSON FILLING THE DRUM	Michael Thay	
	LOCATION OF TEMPORARY STORAGE AREA	S.t. 05391	
	DATE DRUM RETURNED TO EG&G SIGNATURE OF EG&G REPRESENTATIVE		
	IF ENVIRONMENTAL LIQUIDS		***************************************
	DATE AND LOCATION WHERE CONTENTS WERE EMPTIED AND DECONNED (EXAMPLE 2/18/91 DECON PAD #)	DATE	